

**Table 1. Areal distribution of habitat features at the Arkema Site.**

SCA	SCMA	Habitat Feature	Total Acres	Riparian Vegetated		ACM Slope <5:1		ACM Slope >5:1		Structures		Pilings	
				Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
SCA-1	Saltpad area	active channel margin	0.80			0.42	52.6%	0.38	47.4%	0.02	2.9%		
SCA-1	Saltpad area	main channel deep	0.94										
SCA-1	Saltpad area	main channel shallow 0-10 ft below OLW	0.51							0.02	3.0%		
SCA-1	Saltpad area	main channel shallow 10-20 below OLW	0.46							0.07	16.0%		
SCA-1	Saltpad area	upland riparian	6.16	0.76	12.4%								
		Total	8.86	0.76	12.4%	0.42	52.6%	0.38	47.4%	0.11	21.9%	0.00	0.0%
SCA-2	Dock 1 and 2 area	active channel margin	1.51			0.96	64.0%	0.53	35.5%	0.12	8.2%		
SCA-2	Dock 1 and 2 area	main channel deep	1.52										
SCA-2	Dock 1 and 2 area	main channel shallow 0-10 ft below OLW	1.48							0.21	14.1%		
SCA-2	Dock 1 and 2 area	main channel shallow 10-20 below OLW	0.67							0.31	46.3%		
SCA-2	Dock 1 and 2 area	upland riparian	8.41	0.94	11.2%								
		Total	13.58	0.94	11.2%	0.96	64.0%	0.53	35.5%	0.64	68.6%	0.00	0.0%
SCA-3	Lot 3 area	active channel margin	1.83			1.63	89.2%	0.20	10.8%				
SCA-3	Lot 3 area	main channel deep	0.94										
SCA-3	Lot 3 area	main channel shallow 0-10 ft below OLW	1.50							0.04	2.6%	0.02	1.5%
SCA-3	Lot 3 area	main channel shallow 10-20 below OLW	0.88							0.05	5.3%		
SCA-3	Lot 3 area	upland riparian	5.23	0.55	10.5%								
		Total	10.38	0.55	10.5%	1.63	89.2%	0.20	10.8%	0.09	7.9%	0.02	1.5%
SCA-4	Lot 1 and 2 area	active channel margin	4.63			4.33	93.5%	0.29	6.3%			0.39	8.4%
SCA-4	Lot 1 and 2 area	main channel deep	2.70										
SCA-4	Lot 1 and 2 area	main channel shallow 0-10 ft below OLW	2.03									0.26	12.7%
SCA-4	Lot 1 and 2 area	main channel shallow 10-20 below OLW	1.48										
SCA-4	Lot 1 and 2 area	upland riparian	8.68	1.13	13.1%								
		Total	19.53	1.13	13.1%	4.33	93.5%	0.29	6.3%	0.00	0.0%	0.64	21.0%

**Table 2. Tentatively identified plants, Arkema salmonid habitat survey July 6, 2010.**

<b>Plant Species</b>	<b>Native/Invasive Status<sup>a</sup></b>
Bigleaf maple ( <i>Acer macrophyllum</i> )	N
Black cottonwood ( <i>Populus balsamifera</i> )	N
Common St. Johns Wort ( <i>Hypericum anagalloides</i> )	I
Common vetch ( <i>Vicia sativa</i> )	I
English daisy ( <i>Bellis perennis</i> )	I
English ivy ( <i>Hedera helix</i> )	I
Himalayan blackberry ( <i>Rubus discolor</i> )	I
Paper birch ( <i>Bitula papyrifera</i> )	N
Scotch broom ( <i>Cytisus scoparius</i> )	I
Sitka willow ( <i>Salix sitchensis</i> )	N
Spring gold ( <i>Lomatium utriculatum</i> )	N
small unidentified shrubs	-
Unidentified ferns	-
Unidentified grasses	N <sup>b</sup>

<sup>a</sup>N = Native, I = Invasive

<sup>b</sup>Assumes mixture of native and introduced varieties.

**Table 3. Relative abundances of native and invasive plants in the riparian habitat.**

Area	Relative Abundance		
	Native Only	Invasive Only	Mixed Invasive &
			Native
Saltpad	0.0%	23.5%	76.5%
Docks 1&2	0.0%	35.3%	64.7%
Lot 3	0.0%	35.7%	64.3%
Lots 1&2	5.0%	20.0%	75.0%
All Areas	1.5%	27.9%	70.6%

**Table 4. Salmonid habitat evaluation for the Salt Pad area.**

Habitat	Habitat Characteristics <sup>1</sup>	Salmonid Value	Saltpad Baseline			Alternative A			Alternative B			Alternative C		
			% Available Area	Acres	Value X Acres	% Available Area	Acres	Value X Acres	% Available Area	Acres	Value X Acres	% Available Area	Acres	Value X Acres
Riparian	6.16 Available Acres (Figure 1)													
	Value metrics													
	Naturally vegetated forest, <400 ft from ACM	2	0.5 <sup>3</sup>	0%	0.00	0.00								
	and in the historic floodplain		0.65 <sup>3</sup>	0%	0.00	0.00								
	Invasive species present	4	N/A											
	Naturally vegetated, grass/shrub		0.2 <sup>3</sup>	0%	0.00	0.00								
	and associated with historic floodplain		0.35 <sup>3</sup>	0%	0.00	0.00								
	Invasive species present	4	N/A											
	Vegetated riprap	5	0.05	12.0%	0.74	0.04								
	Unvegetated/paved/buildings/riprap		0	88.0%	5.42	0.00								
	Total				6.16	0.04								
Active channel margin	0.80 Available Acres (Figure ES1)													
	Value metrics													
	Sloped (<5:1 or 11°), unarmored and vegetated		1 <sup>3</sup>	0%	0.00	0.00								
	Invasive species present													
	Sloped (>5:1 or 11°), unarmored and vegetated		0.8 <sup>3</sup>	0%	0.00	0.00								
	Invasive species present													
	Sloped (<5:1), unarmored and unvegetated		0.8	0%	0.00	0.00								
	Sloped (>5:1), unarmored and unvegetated		0.1	0%	0.00	0.00								
	Sloped (<5:1), bio-engineered		0.2	0%	0.00	0.00								
	Sloped (>5:1), bio-engineered		0.2	0%	0.00	0.00								
	Riprapped		0	97%	0.78	0.00								
	Sheetpile		0	0%	0.00	0.00								
	Pilings	6	0	0%	0.00	0.00								
	Covered structures over channel margins	7	0.1	2.9%	0.02	0.0023								
	Total				0.80	0.0023								
Main channel														
Shallow Water (0-10 ft below OLV)														
	0.51 Available Acres (Figure ES1)													
	Value metrics													
	Shallow water, gravel and finer substrate		1	97%	0.49	0.49								
	Shallow water, natural rock outcrop	8	1	0%	0.00	0.00								
	Shallow water with riprap or concrete		0.1	0%	0.00	0.00								
	Shallow water with covering structures	7	0.1	3.0%	0.02	0.00								
	Shallow water with pilings	6	0	0%	0.00	0.00								
	Total				0.51	0.49								

**Table 4. Salmonid habitat evaluation for the Salt Pad area.**

Habitat	Habitat Characteristics <sup>1</sup>	Salmonid Value	Saltpad Baseline			Alternative A			Alternative B			Alternative C		
			% Available Area	Acres	Value X Acres	% Available Area	Acres	Value X Acres	% Available Area	Acres	Value X Acres	% Available Area	Acres	Value X Acres
Shallow Water (10-20 ft below OLV)	0.46 Available Acres (Figure ES1)			NA		NA								
	Value metrics													
	Shallow water, gravel and finer substrate	8	0.9	84%	0.38	0.34								
	Shallow water, natural rock outcrop		0.9	0%	0.00	0.00								
	Shallow water with riprap or concrete		0.1	0%	0.00	0.00								
	Shallow water with covering structures	7	0.1	16%	0.07	0.01								
	Shallow water with pilings	6	0	0%	0.00	0.00								
	Total				0.46	0.35								
	Deep water	0.94 Available Acres (Figure ES1)												
		Value metrics												
Deep water with natural substrates			0.1	100%	0.94	0.09								
Deep water with artificial substrates			0.05	0%	0.00	0.00								
Total					0.94	0.09								
Off channel	0.00 Available Acres (Figure ES1)													
	Value metrics													
	Cold" water tributary"		1	0%	0.00	0.00								
	Warm" water tributary"		0.9	0%	0.00	0.00								
	Side channel		1	0%	0.00	0.00								
	Alcove or slough with tributary	7	1	0%	0.00	0.00								
	Alcove or slough without tributary		0.8	0%	0.00	0.00								
	Embayment (cove) with tributary	7	1	0%	0.00	0.00								
	Embayment (cove) without tributary	8	0.8	0%	0.00	0.00								
	Total				0.00	0.00								

Source: Draft HEA Habitat Values for ESA Consultation (NMFS 2010)

<sup>1</sup> Estimates of relative habitat value herein are interim and subject to change pursuant to future revisions or amendments by NMFS in consultation with the LWG.

<sup>2</sup> ACM (active channel margin). Naturally vegetated means vegetated by native (i.e., non-invasive) species.

<sup>3</sup> Native species. Value is 1/2 the value listed if vegetated with invasive species.

<sup>4</sup> For example Himalayan blackberry

<sup>5</sup> Approximately 27% of the area is dominated by invasive species and 73% of the area is comprised of mixed native and invasive species.

<sup>6</sup> Evaluated at 1/2 the margin type depending on the location of the pilings.

<sup>7</sup> For example, docks

<sup>8</sup> Cannot be created

<sup>9</sup> Value is 0.9 for salmonid adults if warm" water tributary"

<sup>10</sup> Value is around 0.6 further upstream

Table 5. Salmonid habitat evaluation for the Dock 1 and Dock 2 area.

Habitat	Habitat Characteristics <sup>1</sup>	Salmonid Value	Dock 1 and Dock2 Baseline			Alternative A			Alternative B			Alternative C		
			% Available	Acres	Value X Acres	% Available	Acres	Value X Acres	% Available	Acres	Value X Acres	% Available	Acres	Value X Acres
Riparian	8.41 Available Acres (Figure 1)													
	Value metrics													
	Naturally vegetated forest, <400 ft from ACM	2	0.5 <sup>3</sup>	0%	0.00	0.00								
	and in the historic floodplain		0.65 <sup>3</sup>	0%	0.00	0.00								
	Invasive species present	4	N/A											
	Naturally vegetated, grass/shrub		0.2 <sup>3</sup>	0%	0.00	0.00								
	and associated with historic floodplain		0.35 <sup>3</sup>	0%	0.00	0.00								
	Invasive species present	4	N/A											
	Vegetated riprap	5	0.05 <sup>9</sup>	11%	0.92	0.05								
	Unvegetated/paved/buildings/riprap		0	89%	7.48	0.00								
	Total				8.41	0.05								
Active channel margin	1.51 Available Acres (Figure ES1)													
	Value metrics													
	Sloped (<5:1 or 11°), unarmored and vegetated		1 <sup>3</sup>	0%	0.00	0.00								
	Invasive species present													
	Sloped (>5:1 or 11°), unarmored and vegetated		0.8 <sup>3</sup>	0%	0.00	0.00								
	Invasive species present													
	Sloped (<5:1), unarmored and unvegetated		0.8	19%	0.28	0.22								
	Sloped (>5:1), unarmored and unvegetated		0.1	0%	0.00	0.00								
	Sloped (<5:1), bio-engineered		0.2	0%	0.00	0.00								
	Sloped (>5:1), bio-engineered		0.2	0%	0.00	0.00								
	Riprapped		0	73%	1.10	0.00								
	Sheetpile		0	0%	0.00	0.00								
	Pilings	6	0	0%	0.00	0.00								
	Covered structures over channel margins	7	0.1	8.2%	0.12	0.01								
	Total				1.51	0.24								
Main channel														
Shallow Water (0-10 ft below OLV)														
	1.48 Available Acres (Figure ES1)													
	Value metrics													
	Shallow water, gravel and finer substrate		1	86%	1.27	1.27								
	Shallow water, natural rock outcrop	8	1	0%	0.00	0.00								
	Shallow water with riprap or concrete		0.1	0%	0.00	0.00								
	Shallow water with covering structures	7	0.1	14.1%	0.21	0.02								
	Shallow water with pilings	6	0	0%	0.00	0.00								
	Total				1.48	1.29								
Shallow Water (10-20 ft below OLV)														
	0.67 Available Acres (Figure ES1)			NA		NA								
	Value metrics													
	Shallow water, gravel and finer substrate		0.9	54%	0.36	0.32								
	Shallow water, natural rock outcrop	8	0.9	0%	0.00	0.00								

**Table 5. Salmonid habitat evaluation for the Dock 1 and Dock 2 area.**

	Shallow water with riprap or concrete		0.1	0%	0.00	0.00
	Shallow water with covering structures	<sup>7</sup>	0.1	46%	0.31	0.03
	Shallow water with pilings	<sup>6</sup>	0	0%	0.00	0.00
	Total				0.67	0.35
Deep water	1.52 Available Acres (Figure ES1)					
	Value metrics					
	Deep water with natural substrates		0.1	100%	1.52	0.15
	Deep water with artificial substrates		0.05	0%	0.00	0.00
	Total				1.52	0.15
Off channel	0.00 Available Acres (Figure ES1)					
	Value metrics					
	Cold" water tributary"		1	0%	0.00	0.00
	Warm" water tributary"		0.9	0%	0.00	0.00
	Side channel		1	0%	0.00	0.00
	Alcove or slough with tributary		1	<sup>7</sup> 0%	0.00	0.00
	Alcove or slough without tributary		0.8	0%	0.00	0.00
	Embayment (cove) with tributary		1	<sup>7</sup> 0%	0.00	0.00
	Embayment (cove) without tributary		0.8	<sup>8</sup> 0%	0.00	0.00
	Total				0.00	0.00

Source: Draft HEA Habitat Values for ESA Consultation (NMFS 2010)

<sup>1</sup> Estimates of relative habitat value herein are interim and subject to change pursuant to future revisions or amendments by NMFS in consultation with the LWG.

<sup>2</sup> ACM (active channel margin). Naturally vegetated means vegetated by native (i.e., non-invasive) species.

<sup>3</sup> Native species. Value is 1/2 the value listed if vegetated with invasive species.

<sup>4</sup> For example Himalayan blackberry

<sup>5</sup> Approximately 35% of the area is dominated by invasive species and 65% of the area is comprised of mixed native and invasive species.

<sup>6</sup> Evaluated at 1/2 the margin type depending on the location of the pilings.

<sup>7</sup> For example, docks

<sup>8</sup> Cannot be created

<sup>9</sup> Value is 0.9 for salmonid adults if warm" water tributary"

<sup>10</sup> Value is around 0.6 further upstream

Table 6. Salmonid habitat evaluation for the Lot 3 area.

Habitat	Habitat Characteristics <sup>1</sup>	Salmonid Value	Lot 3 Baseline			Alternative A			Alternative B			Alternative C		
			% Available Area	% Acres	Value X Acres	% Available Area	% Acres	Value X Acres	% Available Area	% Acres	Value X Acres	% Available Area	% Acres	Value X Acres
Riparian	5.23 Available Acres (Figure 1)													
	Value metrics													
	Naturally vegetated forest, <400 ft from ACM	2	0.5 <sup>3</sup>	0%	0.00	0.00								
	and in the historic floodplain		0.65 <sup>3</sup>	0%	0.00	0.00								
	Invasive species present	4	N/A											
	Naturally vegetated, grass/shrub		0.2 <sup>3</sup>	0%	0.00	0.00								
	and associated with historic floodplain		0.35 <sup>3</sup>	0%	0.00	0.00								
	Invasive species present	4	N/A											
	Vegetated riprap	5	0.05	10%	0.52	0.03								
	Unvegetated/paved/buildings/riprap		0	90%	4.70	0.00								
	Total				5.23	0.03								
Active channel margin	1.83 Available Acres (Figure ES1)													
	Value metrics													
	Sloped (<5:1 or 11°), unarmored and vegetated		1 <sup>3</sup>	0%	0.00	0.00								
	Invasive species present													
	Sloped (>5:1 or 11°), unarmored and vegetated		0.8 <sup>3</sup>	0%	0.00	0.00								
	Invasive species present													
	Sloped (<5:1), unarmored and unvegetated		0.8	63%	1.16	0.93								
	Sloped (>5:1), unarmored and unvegetated		0.1	0%	0.00	0.00								
	Sloped (<5:1), bio-engineered		0.2	0%	0.00	0.00								
	Sloped (>5:1), bio-engineered		0.2	0%	0.00	0.00								
	Riprapped		0	37%	0.67	0.00								
	Sheetpile		0	0%	0.00	0.00								
	Pilings	6	0	0%	0.00	0.00								
	Covered structures over channel margins	7	0.1	0.0%	0.00	0.0000								
	Total				1.83	0.93								
Main channel														
Shallow Water (0-10 ft below OLW)														
	1.50 Available Acres (Figure ES1)													
	Value metrics													
	Shallow water, gravel and finer substrate		1	94%	1.42	1.42								
	Shallow water, natural rock outcrop	8	1	0%	0.00	0.00								
	Shallow water with riprap or concrete		0.1	1.5%	0.02	0.00								
	Shallow water with covering structures	7	0.1	2.6%	0.04	0.00								
	Shallow water with pilings	6	0	1%	0.02	0.00								
	Total				1.50	1.42								
Shallow Water (10-20 ft below OLW)														
	0.88 Available Acres (Figure ES1)			NA		NA								
	Value metrics													
	Shallow water, gravel and finer substrate		0.9	94%	0.83	0.75								
	Shallow water, natural rock outcrop	8	0.9	0%	0.00	0.00								



**Table 6. Salmonid habitat evaluation for the Lot 3 area.**

	Shallow water with riprap or concrete		0.1	1%	0.00	0.00
	Shallow water with covering structures	<sup>7</sup>	0.1	5%	0.05	0.00
	Shallow water with pilings	<sup>6</sup>	0	0%	0.00	0.00
	Total				0.88	0.75
Deep water	0.94 Available Acres (Figure ES1)					
	Value metrics					
	Deep water with natural substrates		0.1	100%	0.94	0.09
	Deep water with artificial substrates		0.05	0%	0.00	0.00
	Total				0.94	0.09
Off channel	0.00 Available Acres (Figure ES1)					
	Value metrics					
	Cold" water tributary"		1	0%	0.00	0.00
	Warm" water tributary"		0.9	0%	0.00	0.00
	Side channel		1	0%	0.00	0.00
	Alcove or slough with tributary		1	<sup>7</sup> 0%	0.00	0.00
	Alcove or slough without tributary		0.8	0%	0.00	0.00
	Embayment (cove) with tributary		1	<sup>7</sup> 0%	0.00	0.00
	Embayment (cove) without tributary		0.8	<sup>8</sup> 0%	0.00	0.00
	Total				0.00	0.00

Source: Draft HEA Habitat Values for ESA Consultation (NMFS 2010)

<sup>1</sup> Estimates of relative habitat value herein are interim and subject to change pursuant to future revisions or amendments by NMFS in consultation with the LWG.

<sup>2</sup> ACM (active channel margin). Naturally vegetated means vegetated by native (i.e., non-invasive) species.

<sup>3</sup> Native species. Value is 1/2 the value listed if vegetated with invasive species.

<sup>4</sup> For example Himalayan blackberry

<sup>5</sup> Approximately 36% of the area is dominated by invasive species and 64% of the area is comprised of mixed native and invasive species.

<sup>6</sup> Evaluated at 1/2 the margin type depending on the location of the pilings.

<sup>7</sup> For example, docks

<sup>8</sup> Cannot be created

<sup>9</sup> Value is 0.9 for salmonid adults if warm" water tributary"

<sup>10</sup> Value is around 0.6 further upstream

Table 7. Salmonid habitat evaluation for the Lot 1 and Lot 2 area.

Habitat	Habitat Characteristics <sup>1</sup>	Salmonid Value	Lot 1 and Lot 2 Baseline			Alternative A			Alternative B			Alternative C		
			% Available	Acres	Value X Acres	% Available	Acres	Value X Acres	% Available	Acres	Value X Acres	% Available	Acres	Value X Acres
Riparian	8.68 Available Acres (Figure 1)													
	Value metrics													
	Naturally vegetated forest, <400 ft from ACM	2	0.5 <sup>3</sup>	0%	0.00	0.00								
	and in the historic floodplain		0.65 <sup>3</sup>	0%	0.00	0.00								
	Invasive species present	4	N/A											
	Naturally vegetated, grass/shrub		0.2 <sup>3</sup>	5%	0.43	0.04								
	and associated with historic floodplain		0.35 <sup>3</sup>	0%	0.00	0.00								
	Invasive species present	4	Yes											
	Vegetated riprap	5	0.05	8.0%	0.69	0.03								
	Unvegetated/paved/buildings/riprap		0	87%	7.55	0.00								
	Total				8.68	0.08								
Active channel margin	4.63 Available Acres (Figure ES1)													
	Value metrics													
	Sloped (<5:1 or 11°), unarmored and vegetated		1 <sup>3</sup>	1%	0.05	0.02								
	Invasive species present		Yes											
	Sloped (>5:1 or 11°), unarmored and vegetated		0.8 <sup>3</sup>	5%	0.23	0.19								
	Invasive species present													
	Sloped (<5:1), unarmored and unvegetated		0.8	81%	3.74	2.99								
	Sloped (>5:1), unarmored and unvegetated		0.1	0%	0.00	0.00								
	Sloped (<5:1), bio-engineered		0.2	0%	0.00	0.00								
	Sloped (>5:1), bio-engineered		0.2	0%	0.00	0.00								
	Riprapped		0	5%	0.23	0.00								
	Sheetpile		0	0%	0.00	0.00								
	Pilings	6	0	8%	0.39	0.00								
	Covered structures over channel margins	7	0.1	0.0%	0.00	0.0000								
	Total				4.63	3.20								
Main channel														
Shallow Water (0-10 ft below OLW)														
	2.03 Available Acres (Figure ES1)													
	Value metrics													
	Shallow water, gravel and finer substrate		1	87%	1.77	1.77								
	Shallow water, natural rock outcrop	8	1	0%	0.00	0.00								
	Shallow water with riprap or concrete		0.1	0%	0.00	0.00								
	Shallow water with covering structures	7	0.1	0.0%	0.00	0.00								
	Shallow water with pilings	6	0	13%	0.26	0.00								
	Total				2.03	1.77								
Shallow Water (10-20 ft below OLW)														
	1.48 Available Acres (Figure ES1)			NA		NA								
	Value metrics													
	Shallow water, gravel and finer substrate		0.9	100%	1.48	1.33								
	Shallow water, natural rock outcrop	8	0.9	0%	0.00	0.00								

Table 7. Salmonid habitat evaluation for the Lot 1 and Lot 2 area.

	Shallow water with riprap or concrete		0.1	0%	0.00	0.00
	Shallow water with covering structures	<sup>7</sup>	0.1	0%	0.00	0.00
	Shallow water with pilings	<sup>6</sup>	0	0%	0.00	0.00
	Total				1.48	1.33
Deep water	2.70 Available Acres (Figure ES1)					
	Value metrics					
	Deep water with natural substrates		0.1	100%	2.70	0.27
	Deep water with artificial substrates		0.05	0%	0.00	0.00
	Total				2.70	0.27
Off channel	0.00 Available Acres (Figure ES1)					
	Value metrics					
	Cold" water tributary"		1	0%	0.00	0.00
	Warm" water tributary"		0.9	0%	0.00	0.00
	Side channel		1	0%	0.00	0.00
	Alcove or slough with tributary		1	<sup>7</sup>	0%	0.00
	Alcove or slough without tributary		0.8	0%	0.00	0.00
	Embayment (cove) with tributary		1	<sup>7</sup>	0%	0.00
	Embayment (cove) without tributary		0.8	<sup>8</sup>	0%	0.00
	Total				0.00	0.00

Source: Draft HEA Habitat Values for ESA Consultation (NMFS 2010)

<sup>1</sup> Estimates of relative habitat value herein are interim and subject to change pursuant to future revisions or amendments by NMFS in consultation with the LWG.

<sup>2</sup> ACM (active channel margin). Naturally vegetated means vegetated by native (i.e., non-invasive) species.

<sup>3</sup> Native species. Value is 1/2 the value listed if vegetated with invasive species.

<sup>4</sup> For example Himalayan blackberry

<sup>5</sup> Approximately 20% of the area is dominated by invasive species and 80% of the area is comprised of mixed native and invasive species.

<sup>6</sup> Evaluated at 1/2 the margin type depending on the location of the pilings.

<sup>7</sup> For example, docks

<sup>8</sup> Cannot be created

<sup>9</sup> Value is 0.9 for salmonid adults if warm" water tributary"

<sup>10</sup> Value is around 0.6 further upstream